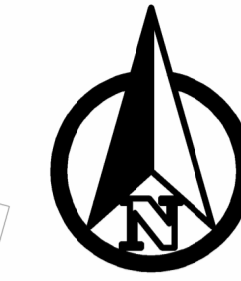


# QUEEN STREET BUILDING

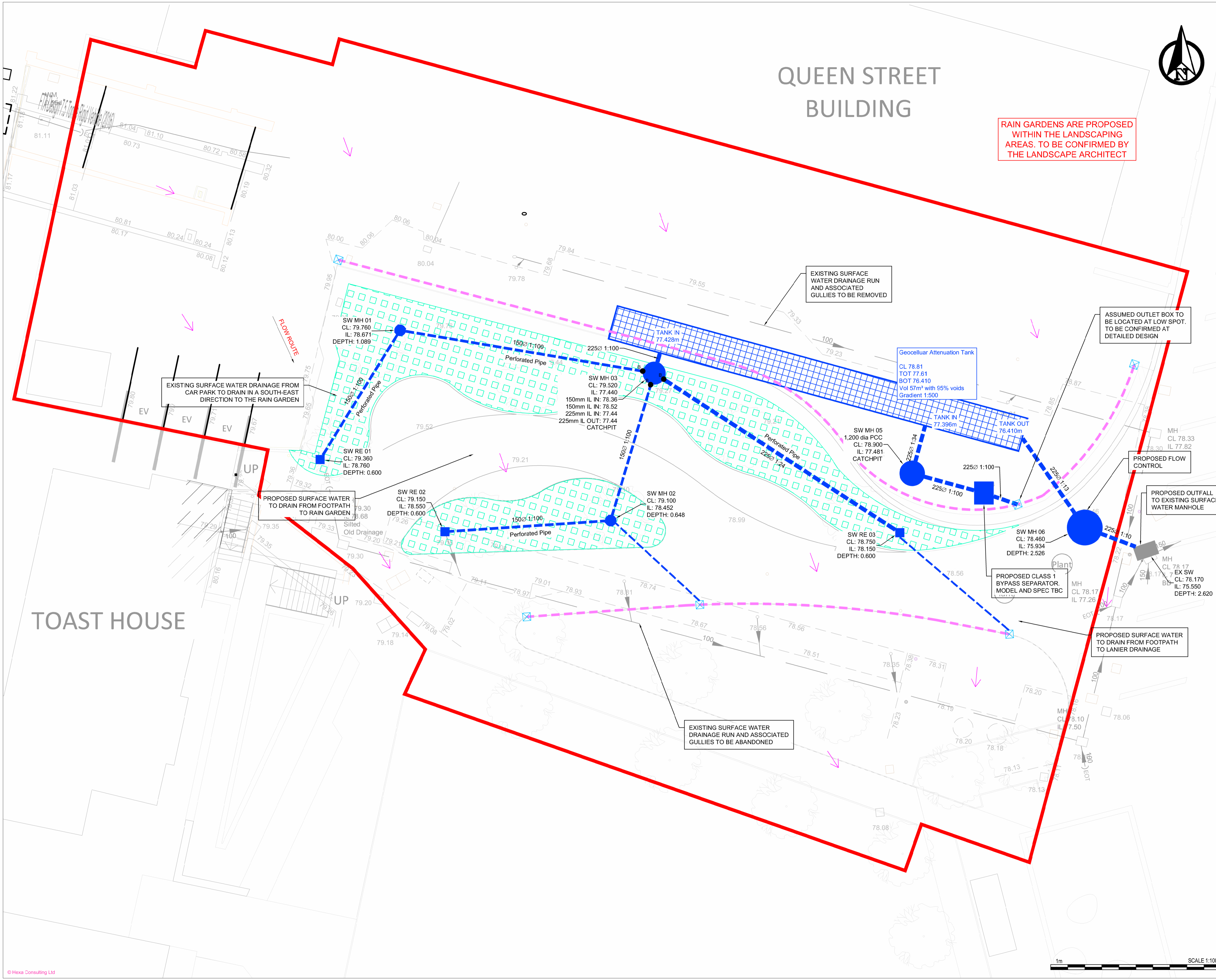
RAIN GARDENS ARE PROPOSED WITHIN THE LANDSCAPING AREAS. TO BE CONFIRMED BY THE LANDSCAPE ARCHITECT



- Notes**
- Do not scale this drawing. All dimensions must be checked/verified on site. If in doubt ask.
  - This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
  - All dimensions in meters unless noted otherwise. All levels in metres unless noted otherwise.
  - Any discrepancies noted on site are to be reported to the engineer immediately.
  - This drawing should be printed and read in colour.

- Design Notes**
- DESIGN ASSUMES SURFACE WATER FLOWS RESTRICTED TO EXISTING 1 IN 1 YEAR BROWNFIELD RUN-OFF RATES WITH 50% BETTERMENT AND USING THE MODIFIED RATIONAL METHOD:
    - EXISTING DISCHARGE RATE:
      - BASED ON 53.7mm/hr RAINFALL INTENSITY =  $2.78 \times 0.975 \times 53.7 \times 0.177 = 25.8\text{ls}$
      - PROPOSED DISCHARGE RATE:
        - BASED ON 50% BETTERMENT =  $25.8\text{ls} \times 50\% = 12.9\text{ls}$
  - DRAINAGE LAYOUT SHOWN IN ABEYANCE SUBJECT TO RECEIPT OF PROPOSED LEVELS DESIGN.

- Legend**
- RED LINE BOUNDARY
  - PROPOSED SURFACE WATER
  - PROPOSED LEANER DRAINAGE
  - EXISTING SURFACE WATER
  - PROPOSED ATTENUATION TANK
  - PROPOSED BACKDROP
  - PROPOSED RAIN GARDEN AS PER LANDSCAPE ARCHITECTS DETAIL
  - PROPOSED 150mm PERFORATED PIPE (WRAPPED IN GEOTEXTILE MEMBRANE)
  - PROPOSED LINEAR DRAINAGE SUMP AND ACCESS
  - OVERLAND FLOW ROUTING



P02	19.02.26	PRELIMINARY ISSUE	SWM	KMJ
P01	17.12.25	PRELIMINARY ISSUE	SWM	KMJ
Rev	Date	Details of Issue	Drawn	Rwd

Issues & Revisions

Consultant  
**HEXA**

Client  
UNIVERSITY OF HUDDERSFIELD

Project Title  
SITE 3 - FORMER FAITH BUILDING

Drawing Title  
PROPOSED DRAINAGE

Drawn By	SWM	Reviewed By	KMJ
Hexa Ref	700342	Scale at A1	1:100

Purpose of Issue  
PRELIMINARY

Status  
S1

Project - Originator - Zone - Level - Type - Role - Number  
700324-HEX-XX-XX-D-C-9200

Revision  
P02

